

**AMPLIFIER CIRCUITS TRAINING AID, DEVICE 6B35****TRAINING CATEGORY:**

BASIC SCIENCE (Electronic)

ORIGINATING AGENCY:

CNET

SECURITY CLASSIFICATION:

Device 6B35 is unclassified.

INTENDED USE:

The training aid is used by electronic students to electronically measure the difference between similar vacuum tube and transistor circuits.

FUNCTIONAL DESCRIPTION:

The following audio amplifier plug-in PC Boards will be used one at a time in conjunction with removable push-pull dual transistor amplifier.

- (1) Common emitter transistor amplifier.

- (2) Common collector transistor amplifier.
- (3) Common base transistor amplifier.
- (4) Push-pull dual transistor.
- (5) Common collector triode tube amplifier.
- (6) Common plate tube amplifier.
- (7) Common grid tube amplifier.
- (8) Common cathode tube amplifier.

The training aid has two operational configurations.

(a) Small signal audio amplifier, for amplifying an external signal sufficiently to drive the internal loudspeaker.

(b) An intercom configuration which allows communication between two of these training aids.

When the top or bottom cover is removed the horizontally mounted printed circuit boards are exposed. All parts are marked by schematic number. Numbered test points are located at input and output of circuits so the student can easily measure systems performance.

DIRECTORY OF NAVAL TRAINING DEVICES

PHYSICAL INFORMATION:

5-1/4" High x 7-1/2" Wide x 11" Long.
Weight - 8 lbs. net.

ENVIRONMENTAL CHARACTERISTICS:

Classroom environment

EQUIPMENT REQUIRED (NOT SUPPLIED):

1. Oscilloscope
2. Volt-Ohm Meter
3. Another Device 6B35

INSTALLATION AREA:

Classroom

POWER REQUIREMENTS:

115 V, single phase, 60 Hz.

PUBLICATIONS FURNISHED:

Device Instruction Manual

PERSONNEL:

Electronic Students.

CONTRACT IDENTIFICATION:

Manufactured by NIDA Corporation, Stamford, CT under NAVTRASYSCEN Contract No. N61339-76-C-0123.

LOCAL STOCK NUMBER:

6910-LL-C00-4526